

Title (en)  
FLOATING CONNECTOR

Title (de)  
POTENZIALFREIER VERBINDER

Title (fr)  
CONNECTEUR FLOTTANT

Publication  
**EP 3916925 B1 20230308 (EN)**

Application  
**EP 21165477 A 20210329**

Priority  
JP 2020093203 A 20200528

Abstract (en)  
[origin: EP3916925A2] A floating connector comprises a movable housing, a plurality of contacts and at least one ground member. Each of the contacts has a fixed portion, a first held portion, a coupling portion, an extending portion and a contact portion. The coupling portion is resiliently deformable. The movable housing is movable within a predetermined range in a plane perpendicular to an up-down direction by the resilient deformation. The contacts include a plurality of ground contacts and a signal contact. The ground member has a plurality of ground contact portions, a plurality of supporting portions, a ground coupling portion and a second held portion. The ground contact portions correspond to the ground contacts, respectively. Each of the ground contact portions is brought into contact with the corresponding ground contact even when the movable housing is moved within the predetermined range. The ground coupling portion couples the supporting portions with each other.

IPC 8 full level  
**H01R 12/91** (2011.01); **H01R 13/6597** (2011.01); **H01R 12/57** (2011.01); **H01R 12/73** (2011.01); **H01R 13/41** (2006.01)

CPC (source: CN EP US)  
**H01R 12/71** (2013.01 - US); **H01R 12/716** (2013.01 - CN); **H01R 12/91** (2013.01 - CN EP US); **H01R 13/02** (2013.01 - CN); **H01R 13/24** (2013.01 - US); **H01R 13/502** (2013.01 - CN); **H01R 13/648** (2013.01 - CN); **H01R 13/652** (2013.01 - CN); **H01R 13/6597** (2013.01 - EP); **H01R 12/57** (2013.01 - EP); **H01R 12/73** (2013.01 - EP); **H01R 13/41** (2013.01 - EP)

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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**EP 21165477 A 20210329**; CN 202110379061 A 20210408; JP 2020093203 A 20200528; TW 110110186 A 20210322; US 202117220045 A 20210401